

# REPORT ON BOILERS

No. 40794  
19 JAN. 1921

Received at London Office

Date of writing Report 17.1.1921 When handed in at Local Office 17.1.1921 Port of GLASGOW  
No. in Survey held at Paisley Date, First Survey 16.9.1919 Last Survey 20.4.1920  
Reg. Book. on the S.E. Marine Boiler for SS KERRYMORE. (Number of Visits 7) Gross Tons }  
Master Built at Larne By whom built Larne & Co. (58) When built 1921  
Engines made at Paisley By whom made Campbell & Calderwood N° 966. When made 1921  
Boiler made at Paisley By whom made A. F. Craig & Co. Ltd N° 680 When made 1921  
Registered Horse Power Owners John Kelly & Co. Port belonging to Belfast

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D. Colville & Sons Ltd

Letter for record S ) Total Heating Surface of Boilers 1439 sq ft Is forced draft fitted No. No. and Description of

Boilers One S.E. Marine Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 20-4-20

No. of Certificate 15235. Can each boiler be worked separately - Area of fire grate in each boiler 52 sq ft No. and Description of

safety valves to each boiler 2 Bond Spring Area of each valve 5.94 sq ft Pressure to which they are adjusted ✓

Are they fitted with easing gear ✓ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓

Smallest distance between boilers or uptakes and bunkers or woodwork 36" Mean dia. of boilers 12'-9 7/8" Length 10' 3"

Material of shell plates Steel Thickness 1 1/16" Range of tensile strength 28-32 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams DR Lap. long. seams TR. DBS Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 8 1/4"

Lap of plates or width of butt straps 14 3/4 Per centages of strength of longitudinal joint rivets 94.35 plate 85.6 Working pressure of shell by

rules 183 Size of manhole in shell 16" x 12" Size of compensating ring 31 1/2" x 24 1/2" x 1 1/8" No. and Description of Furnaces in each

boiler 3 Deighton Material Steel Outside diameter 3' 6 1/4" Length of plain part top - Thickness of plates crown 1/2" bottom -

Description of longitudinal joint Weld No. of strengthening rings None Working pressure of furnace by the rules 180 Combustion chamber

plates: Material Steel Thickness: Sides 23/32 Back 21/32 Top 5/8, 23/32 Bottom 23/32 Pitch of stays to ditto: Sides 10 1/2" x 9 Back 9 x 9

Top 9 1/2" x 4 1/2" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 183 Material of stays Steel Area at

smallest part 1.46 sq ft Area supported by each stay 81 Working pressure by rules 180 End plates in steam space: Material Steel Thickness 1 1/16"

Pitch of stays 18" x 16" How are stays secured D. Nut & Washer Working pressure by rules 184 Material of stays Steel Area at smallest part 5.24

Area supported by each stay 288 Working pressure by rules 190 Material of Front plates at bottom Steel Thickness 1" Material of

Lower back plate Steel Thickness 55/64 Greatest pitch of stays 1'-2" Working pressure of plate by rules 184 Diameter of tubes 3 1/4"

Pitch of tubes 4 1/2" x 4 3/8" Material of tube plates Steel Thickness: Front 1" Back 53/64 Mean pitch of stays 11 1/16" Pitch across wide

water spaces 1' 2" Working pressures by rules 182 200 Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 8 3/4" x 5/8" Length as per rule 2'-6 33/64" Distance apart 4 1/2" Number and pitch of Stays in each 2 @ 9 1/2"

Working pressure by rules 212 Steam dome: description of joint to shell None % of strength of joint -

Diameter - Thickness of shell plates - Material - Description of longitudinal joint - Diam. of rivet holes -

Pitch of rivets - Working pressure of shell by rules - Crown plates - Thickness - How stayed -

UPERHEATER. Type None Date of Approval of Plan - Tested by Hydraulic Pressure to -

Date of Test - Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler -

Diameter of Safety Valve - Pressure to which each is adjusted - Is Easing Gear fitted -

The foregoing is a correct description, A. F. CRAIG & CO. Ltd. Manufacturer.

Dates of Survey During progress of 1919 Sep 16 Dec 10 (1920) Jan 9 Feb 18 Mar 19 Apr 9 20 Is the approved plan of boiler forwarded herewith ?

while building During erection on 1921 Jan 14 Total No. of visits 7

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under

Special Survey in accordance with the approved plan The materials

and workmanship are of good quality.

This boiler now securely fitted on board

Survey Fee ... When applied for, 191

Travelling Expenses ... When received, 191

Committee's Minute GLASGOW. 18 JAN 1921

Assigned See attached machinery report. TUE. 15 MAR. 1921

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